

D. Amendment to the Claims

The listing of all claims in the application is provided.

1. (Currently Amended) A reflection mirror comprising:

a resin substrate;

an underlaying layer formed on the resin substrate, the underlaying layer

including at least one  $\text{TiO}_2$  film and at least one  $\text{Al}_2\text{O}_3$  film, ~~wherein a film of the~~

~~underlaying layer contacting the resin substrate is a  $\text{TiO}_2$  film;~~

a reflection layer composed of an Ag film formed on the underlaying layer;

and

a protective layer formed on the reflection layer, the protective layer

including at least one  $\text{TiO}_2$  film and at least one  $\text{Al}_2\text{O}_3$  film,

wherein each of the underlaying layer and the protective layer is composed of alternating layers of a  $\text{TiO}_2$  film and an  $\text{Al}_2\text{O}_3$  film,

wherein a film of the underlaying layer contacting the resin substrate is a  $\text{TiO}_2$  film, and

wherein a film of the underlaying layer contacting the reflection layer is a  $\text{TiO}_2$  film.

2-3. (Cancelled)

4. (Original) A reflection mirror according to claim 1, wherein a geometric total film thickness of the  $\text{Al}_2\text{O}_3$  films included in the underlaying layer is 10 nm or more.

5. (Original) A reflection mirror according to claim 4, wherein a geometric total film thickness of the  $\text{Al}_2\text{O}_3$  films included in the underlying layer is 100 nm or less.

6. (Original) A reflection mirror according to claim 1, wherein a geometric film thickness of the  $\text{TiO}_2$  film of the underlying layer contacting the resin substrate is 80 nm or less.

7. (Original) A reflection mirror according to claim 1, wherein the protective layer further includes a film of  $\text{SiO}_x$  ( $1 < x < 2$ ) having a geometric film thickness of 1 to 20 nm.

8. (Currently Amended) A reflection mirror according to claim 1, wherein the underlying layer is ~~composed of 2 layers of a  $\text{TiO}_2$  film and an  $\text{Al}_2\text{O}_3$  film; 3 layers of~~ selected from the group consisting of (i) a combination of a  $\text{TiO}_2$  film, an  $\text{Al}_2\text{O}_3$  film, and a  $\text{TiO}_2$  film; 4 layers of a  $\text{TiO}_2$  film, an  $\text{Al}_2\text{O}_3$  film, a  $\text{TiO}_2$  film, and an  $\text{Al}_2\text{O}_3$  film; or 5 layers of and (ii) a combination of a  $\text{TiO}_2$  film, an  $\text{Al}_2\text{O}_3$  film, a  $\text{TiO}_2$  film, an  $\text{Al}_2\text{O}_3$  film, and a  $\text{TiO}_2$  film, in order from the resin substrate side.

9. (Currently Amended) A reflection mirror according to claim 1, wherein the protective layer is ~~composed~~ selected from the group consisting of (i) a combination of 2 layers of an  $\text{Al}_2\text{O}_3$  film and a  $\text{TiO}_2$  film; 4 layers of (ii) a combination of an  $\text{Al}_2\text{O}_3$  film, a  $\text{TiO}_2$  film, an  $\text{Al}_2\text{O}_3$  film, and a  $\text{TiO}_2$  film; 3 layers of (iii) a combination of

a TiO<sub>2</sub> film, an Al<sub>2</sub>O<sub>3</sub> film, and a TiO<sub>2</sub> film; ~~5 layers of a~~ (iv) a combination of TiO<sub>2</sub> film, an Al<sub>2</sub>O<sub>3</sub> film, a TiO<sub>2</sub> film, an Al<sub>2</sub>O<sub>3</sub> film, and a TiO<sub>2</sub> film; ~~or 3 layers of an~~ (v) a combination of Al<sub>2</sub>O<sub>3</sub> film, a TiO<sub>2</sub> film, and an SiO<sub>x</sub> (1<x<2) film, in order from the resin substrate side.

10. (Original) An optical member comprising the reflection mirror of claim 1.
11. (Original) An optical equipment comprising the optical member of claim 10.
12. (New) A reflection mirror according to claim 1, wherein the resin substrate is a polycarbonate substrate.
13. (New) A reflection mirror according to claim 8, wherein the resin substrate is a polycarbonate substrate.
14. (New) A reflection mirror according to claim 9, wherein the resin substrate is a polycarbonate substrate.